Tennessee Disorders Screened

This is a screening test that can be affected by baby's age, medical or treatment status at the time of specimen collection; the quality and quantity of the specimen or other variables and may not detect all affected babies. The possibility of false negative or false positive results must always be considered when screening newborns for metabolic disorders.

Disorders by MS/MS:

DISORDERS		OMIM	
2 Methyl 3 hydroxy butyric aciduria	**2M3HBA or 2MHBD**	**300256**	O
2 Methylbutryl CoA Dehydrogenase Deficiency	**2MBCD or 2MBG**	**600301**	O
2,4 Dienyl CoA Reductase Deficiency	**DE RED**	**222745**	F
3 Hydroxy 3 Methylglutaryl CoA Lyase Deficiency	**HMG**	**246450**	O
3 Methyl Crotonyl CoA Carboxylase Deficiency	**3MCC**	**210200**	O
3 Methylglutaconyl CoA Hydratase Deficiency	**3MGA**	**250950**	O
Argininemia or Arginase Deficiency	**ARG**	**207800**	AA
Argininosuccinate Lyase Def. or Argininosuccinic Aciduria	**ALD or ASA**	**207900**	AA
Carnitine Palmitoyl Transferase Deficiency I	**CPT I**	**600528**	F
Carnitine Palmitoyl Transferase Deficiency II	**CPT II**	**600650**	F
Carnitine/Acylcarnitine Translocase Deficiency	**CACTD**	**212138**	F
Carnitine Uptake Deficiency	**CUD**	**212140**	F
Citrullinemia Type I (Arginosuccinate Synthetase Deficiency) Type II (Citrin Deficiency)	**CIT**	 **215700** **605814**	AA
Glutaric Acidemia Type I	**GAI**	**231670**	O
Homocystinuria	**HCY**	**236200**	AA
Hypermethioninemia due to Glycine N-Methyltransferase Deficiency due to S-Adenosylhomocysteine Hydrolase Deficiency due to Methionine Adenosyltransferase Deficiency	**HyperMet**	 **606664** **180960** **250850**	AA
Hyperornithinemia Hyperornithinemia -Hyperammonemia-Homocitrullinuria with Gyral Atrophy	**HyperOrn** **HHH**	 **238970** **258870**	AA
Hyperphenylalaninemia due to Phenylalanine Hydroxylase Deficiency due to GTP Cyclohydrolase I Deficiency due to Pterin-4-Alpha-Carbinolamine Dehydratase Deficiency due to 6-Pyruvoyltetrahydropterin Synthase Deficiency Defects of biopterin co factor biosynthesis Defects of biopterin co factor regeneration	**HyperPhe**	 **261600** **233910** **264070** **261640** **261630** **182125**	AA
Isobutyryl CoA Dehydrogenase Deficiency	**IBCD**	**604773**	O
Isovaleric Acidemia	**IVA**	**243500**	O
Long Chain Hydroxyl AcylCoA Dehydrogenase Def. Alpha Subunit Deficiency Beta Subunit Deficiency	**LCHAD**	 **600890** **143450**	F
Malonic Aciduria	**MAL**	**606761**	O
Maple Syrup Urine Disease Type IA Type IB Type II	**MSUD**	 **248600** **248611** **248610**	AA
Medium Chain AcylCoA Dehydrogenase Deficiency	**MCAD**	**607008**	F
Methylmalonic Acidemia due to Methylmalonyl-CoA Mutase Deficiency due to Deficient Synthesis of 5-Prime-Deoxyadenosylcobalamin due to Defects in the MMAA Gene with B12 Defect and Homocystinuria	**MMA**	 **251000** **251100** **607481** **277400**	O
Mitochondrial Acetoacetyl CoA Thiolase Def or β Ketothiolase	**βKT OR SKAT**	**607809**	O
Multiple AcylCoA Dehydrogenase Deficiency due to Electron Transfer Flavoprotein Alpha Subunit Deficiency due to Electron Transfer Flavoprotein Beta Subunit Deficiency due to Electron Transfer Flavoprotein Dehydrogenase Deficiency	**MADD OR GA II**	 **608053** **130410** **231675**	F
Multiple CoA Carboxylase Deficiency	**MCD**	**253270**	O
Nonketotic Hyperglycinemia due to Glycine Cleavage System H Protein Deficiency due to Aminomethyltransferase Deficiency due to Glycine Decarboxylase Deficiency	**NKH**	 **238330** **238310** **238300**	
Phenylketonuria	**PKU**	**261600**	AA
Propionic Acidemia due to Propionyl-CoA Carboxylase AlphaSubunit Deficiency due to Propionyl-CoA Carboxylase Beta Subunit Deficiency	**PROP**	 **232000** **232050**	O
Short Chain AcylCoA Dehydrogenase Deficiency	**SCAD**	**606885**	F
Trifunctional Protein Deficiency Alpha Subunit Deficiency Beta Subunit Deficiency	**TFP**	 **600890** **143450**	F
Tyrosinemia Type I Type II Type III Transient	**TYR**	 **276700** **276600** **276710**	AA
Very Long Chain AcylCoA Dehydrogenase Deficiency	**VLCAD**	**201475**	F

F (FATTY) / O (ORGANIC) / AA (AMINO ACID)

Disorders by other Methods:

Galactosemia Galt Deficiency Galactokinase Deficiency Epimerase Deficiency	 **GALT** **GALK** **GALE**	 **230400** **230200** **230350**
Hemoglobinopathies	**HGB**	**141800/141900**
Congenital Hypothyroidism	**CH**	**----------**
Congenital Adrenal Hyperplasia	**CAH**	**201910**
Biotinidase Deficiency	**BIOT**	**609019**